



# PVC-U WINDOWS & DOORS

FOR SOCIAL AND AFFORDABLE HOUSING SINCE 1985







## About Wrekin Windows

Wrekin Windows has specialised in social and affordable housing since 1985. Through this experience we have gained a clear understanding of the sector and a reputation for delivering high quality, low maintenance PVC-U windows and doors that are energy efficient.

Operating from technologically advanced manufacturing facilities conveniently located near the M54 and M6 motorways, we have produced over a million windows and doors for social and affordable housing properties.

We have a policy of continuous improvement, investing heavily in manufacturing capabilities, quality management systems and ongoing training programmes. Our product development focuses on safety, security, energy efficiency and special needs, with all products rigorously tested in-house and externally by accredited independent agencies.



# Customer Support

Wrekin prides itself in working closely with registered providers, residents, local communities and contractors, in delivering best value. We offer a comprehensive contract management service from design, through resident consultation and ongoing liaison, bespoke production, delivery to site, to installation and post-installation aftercare.

Our expertise in all of these areas is available to you, however we are flexible and will work with you in whatever way suits you best, providing just the services you need, including supply only if you prefer.

Our full range of services are explained on page 6 and 7.





## Strength in Numbers

Wrekin Windows has the financial strength and stability that comes from being a member of the Epwin Group, which employs over 2000 people and has an annual turnover of over £300m.

Since being formed in 1976, Epwin Group has grown substantially, both organically and by acquisition, investing heavily in new technology to improve and grow its offering. Its main activities are the extrusion of PVC-U and roofline products, and the manufacture of windows, doors, conservatories and sealed units, with over 1.2 million square feet of manufacturing and warehousing facilities.

Wrekin Windows is one of more than 25 companies that make up the Epwin Group. Our membership gives us access to a wealth of related products and services that enable us to provide a wide-ranging offering to our customers.

Epwin Group is committed to being the partner of choice in the supply of low maintenance building products. It aims to provide superior quality products within a framework of sustainable development, minimising waste and carbon footprint whilst maximising recyclability.

In 2014, Epwin Group was listed on the London Stock Exchange AIM, signalling a new era for the low maintenance building products group.



# Our Capabilities

Wrekin Windows works in partnership with customers to deliver a quality, reliable service. Our customer service team provides all the support you need, based on over 30 years' experience.

## CONTRACT MANAGEMENT SERVICE

From initial enquiry through to after sales support, including resident liaison (design choice, survey and installation appointments), we ensure high levels of service and customer satisfaction.



### Initial enquiry

We provide nationwide technical sales support to ensure that you have access to the best possible advice at all times.



### Quotation

Our team of estimators provides comprehensive quotations to specification and is happy to help you with any queries.



### Supply, fit and site management service

We offer a full end-to-end service including surveying, client liaison, manufacture, delivery, installation and site management.



### Resident support

Relations with residents and respect for their property are strictly controlled through a code of practice protocol. Resident liaison – design choice, survey and installation appointments - can also be provided.



### Health and Safety

Our installation service includes full site management. Industry-leading training and planning ensure that all risks are assessed and everyone remains safe. Our operatives work to current health and safety regulations.



### Installation

Installation is carried out by our specialist partners. If preferred, we can provide a supply only service. We will deliver our windows and doors with full installation instructions and provide the technical advice you need.



### Technical support

Technical advice on product design, specification and installation is supported by Profile 22's technical department and test facility.



### UK manufacture

Our UK manufacturing operation uses advanced planning and production systems to meet your requirements on schedule. We are committed to providing high quality products and services within our BSI certified quality systems, so every window and door is checked throughout production and signed off by an experienced inspector.



### UK distribution

We use our own vehicles and experienced drivers. Our computerised distribution system enables us to track deliveries all the way to site, with all windows and doors labelled for identification and traceability.







## Our Products

Wrekin Windows offers a wide range of 70mm framed windows fabricated using Profile 22 window systems including the new Optima Chamfered, all of which integrates perfectly with our PVC-U doors and the composite doors supplied by our sister company, Permadoor.

Optima-C is fully-integrated chamfered 70mm-depth system designed for the production of casement, tilt and turn, French casement windows and residential and French doors (meeting the requirement of Approved Document Q). The slim, chamfered shape is clean, modern and suitable for a wide range of projects.

## CASEMENT WINDOWS

Open-out casement windows are better than ever when made using the market leading Optima's slim chamfered profiles. The 70mm depth, integrated open-out windows are available in a variety of single or multi-light styles, using top hung vents, side hung casements and fixed lights, either internally or externally glazed, in white, woodgrain on white or woodgrain finish, fabricated to BS 7412.

Round head, circular or lancet windows may be supplied depending on size, style and application.

### Key Features

- 70mm Optima Chamfered frames
- WER A++ and u-value of 0.8 W/m<sup>2</sup>K
- Glazing options: double 24, 28, 36mm or triple 40 and 44mm
- Greater thermal efficiency with 6 chambers in the outer frame and 5 in the sash
- Advanced centre-seal system for improved insulation and weather protection
- Narrower frame for more light and improved solar gain
- Deeper drainage channels carry water away quickly and improve weather performance
- PAS24 and Secured by Design options



## TILT AND TURN WINDOWS

Perfect for medium or high-rise properties or applications with external access issues, Tilt and Turn windows offer a streamlined, contemporary appearance that suits many styles of building. These windows are practical: tilting inwards to provide secure ventilation, they can also be swung right into a room to allow cleaning of the outer pane or simply to give a wide-open feel to a room.

Child safety restrictors and locking handles can be incorporated as appropriate. Tilt and Turn windows made with Optima's slim, but strong, profiles offer the minimalist appearance combined with the advanced all-round locking of highly-secure frames.

### Key Features

- 70mm Optima Chamfered frames
- 5 chamber Sash / 5 chamber outer frame
- WER A++ and u-value of 0.8 W/m2K
- Optional additional sash & outer frame centre seals
- Double chamfered edge design
- Glazing options: double 24, 28, 36, 40 triple 44mm
- Optional RCM thermal Inserts to create up to 6/7 chambers
- Multi-point espagnolette locking operation around the sash
- PAS24 and Secured by Design options





## FLUSH CASEMENT WINDOWS

Flush casement windows mimic the traditional appearance of period properties, whilst offering superb energy efficiency and lower heating bills. A flush casement is where the opening window sits flush in a frame rather than standing proud. The simple lines and proportions also mean it has masses of potential even in more modern buildings.

Providing an exceptional level of energy efficiency and an attractive modern aesthetic, the flush casement window is an ideal choice for older properties with character and heritage to preserve.

### Key Features

- 70mm frames suitable for conservation, heritage and modern properties
- WER A+ and u-value of 1.4 W/m<sup>2</sup>K
- Double glazing to BS 6262 using 24mm glass units
- Bevelled outside with bevelled or sculptured indoor options
- Authentic appearance security hardware
- Mechanical jointing of sashes and deep bottom rails
- Standard co-extruded gasket – optional 2nd/3rd weather seal
- PAS24 and Secured by Design options



## FLUSH TILT AND TURN

Externally Flush Tilt-Turn windows are specially designed to avoid the overlapping of the framework. The sash is neatly positioned inside the frame of the window to create an elegant and sleek 'flush' appearance. It is especially suited to medium to high rise buildings and when a larger-sized window is required.

The functionality of the window has all round locking, is internally glazed and opens inwards providing excellent security and weather tightness. This window is very popular with apartment buildings and housing, but its applications are endless including hotels, offices, hospitals and universities.

### Key Features

- 70mm frames with flush tilt-turn sash
- WER A++ and u-value of 0.8 W/m<sup>2</sup>K
- Glazing options: double 24, 28, 36mm or triple 40 and 44mm
- Flush, urban and modern design
- No overlapping of framework externally
- Opening up to 2300 x 1450mm maximum
- Optional additional sash & outer frame centre seals
- PAS24 and Secured by Design options



## FULLY REVERSIBLE WINDOWS

Fully Reversible 70mm windows have their own unique appearance designed with a deep-bevelled edge to the window profile giving it a striking, but modern look. Suitably designed for medium-high rise applications and inaccessible locations, this window has been manufactured using low carbon technology and 'thermal barrier' technology.

The window easily rotates 180° allowing for safe and easy cleaning of the outside pane without the window entering the room space itself; avoiding snagging of curtains or blinds. Its high security locking and child resistant safety catches, and weather performance ensures its maximum safety and security.

### Key Features

- 70mm frames with fully reversible sash
- Cost-effective WER 'A+' option with argon
- Triple glazing allows U-values to 0.8 W/(M2.K)
- Glazing options: 24, 28, 40 & 44mm
- Fully rotates allowing safe & easy cleaning from inside the building
- 5 chamber system incorporating 'Aeroframe' thermal barrier technology
- Deep-bevel for a striking appearance
- Recycled composite outer frame reinforcement
- Standard co-extruded gasket - optional 2nd & 3rd weather seal to aid thermal performance
- Full suite of hardware & accessories
- PAS24 and Secured by Design options





## VERTICAL SLIDING WINDOWS

The Vertical Sliding window system is an authentic looking sash window with Ovolo finishing. When designing this window, all the benefits of a high performance modern material were combined to deliver a window that delivers a cost-effective solution to retaining the characteristics and design of period buildings.

The PVC-U Ovolo frames provide optimum strength, superior thermal protection and excellent weathering performance and with the minimum maintenance, will retain their appearance year after year.

### Key Features

- WER A+ and u-value of 1.2 W/m<sup>2</sup>K
- Fully featured Ovolo detail
- Outer frame dimension is 128mm
- Internally glazed with 24mm glazing
- Deep bottom rail option gives the authenticity of a timber box sash
- Tilt 'inwards' facility allows easy cleaning of the outside pane from inside
- Optional Georgian bars and moulded or through sash horns
- Mechanically jointed deep bottom rail for authentic appearance
- Maximum dimensions: width 1600mm, height 3000mm
- Variety of hardware including balances, pivot bars and locking mechanisms
- Kitemarked to BS EN 12608 and PAS 24 and BBA approved
- PAS24 and Secured by Design options





## PVC-U DOORS

Wrekin Windows offers a range of low maintenance PVC-U residential doors and sidescreens, panelled or glazed, in white or woodgrain finish and a choice of colours. The doors are fitted with secure multi-point hook bolt locks approval tested to PAS 24.

We can also supply special doors fitted with panic bar mechanisms to BS EN 1125 for emergency or fire exits. Single doors use either multi-roller or head and threshold shootbolts, double doors use shootbolt mechanisms. All doors are fitted with midrails and are bar operated.

### Key Features

- 70mm PVC-U Optima-C frames with rigid multi-chambered profile to BS 7413
- Reinforced with galvanised mild steel or RCM sections to BS EN 12608
- Steel reinforced infill panels
- Single or double/triple glazing to BS 6262 with 4mm or 6mm safety glass
- Glazing options include patterned, Georgian bars and leaded lights
- Wide range of hardware to BS7412
- PAS24 and Secured by Design options
- CE marked

We are also able to offer a **wide range of GRP and Thermoplastic finished composite doors** through our sister company, Permadoor.





## FRENCH/PATIO DOORS

Wrekin Windows offers a range of high quality and secure PVC-U in-line sliding patio doors and Optima Chamfered French doors.

Patio doors offer a selection of different pane and finish options. The multi-chambered sash and outer frame profiles construction offers improved durability and thermal insulation. Security features include an anti-jacking system to ensure that the door cannot be lifted off from the outside for optimum crime prevention.

French doors offer the flexibility to create numerous configurations and sizes with colours, styles and decorative options to suit any taste. They are designed for straightforward and simple installation, delivering an excellent quality finish every time.

### Key Features - Patio Doors

- Slim stepped 86 mm outer frame for minimal plaster cutback
- Multi chambered profile for greater thermal insulation
- 2/3/4 pane
- Three woodgrain finishes plus white, plus woodgrain on white
- Stainless steel easy glide track system
- High security anti-jacking system, six point hook lock
- Glass can be offered in a wide range of styles, patterns and designs
- PAS24 and Secured by Design options
- CE marked





We are committed to providing the highest levels of quality and service to build lasting business relationships.



# Quality

Our Quality Management System is BS EN 9001:2008 audited and certified.

We monitor our service on a continuous basis to ensure that we exceed expectations, using customer feedback to identify improvements. We have a comprehensive range of accreditations. **In addition, the Epwin Group is the first PVC-U system supplier to hold BES6001 for responsible sourcing of materials.**

## ACCREDITATIONS



CHAS is the contractors' health and safety assessment scheme designed to ensure safe working on site. It ensures that all members adhere to the strict criteria laid down before commencing any contract.



EXOR provides an efficient, outsourced supply chain to central/local government, housing associations, private and public sector organisations.



SECURED BY DESIGN is the initiative launched by the police to ensure high standards of crime prevention measures.



FENSA allows companies to self-certify that their installations comply with current building regulations.



BES 6001 enables construction product manufacturers to prove that their products have been made with constituent materials that have been responsibly sourced.



BBA is the UK's major authority offering approval of construction products, systems and installers.



ISO 9001 ensures consistency and improvement of all our working procedures to ensure our products and services are class leading.



ISO 14001 ensures continuous improvement and operation of our environmental management system.



CONSTRUCTIONLINE is the largest online database for pre-qualified contractors and consultants.



Our windows are CE marked.





## Meeting BIM Requirements

From 2016, all centrally procured government construction projects, no matter their size, must be delivered using Building Information Modelling (BIM). This extends through the supply chain, from the largest contractor to the smallest supplier.

BIM is intended to transform how project teams work in the way that buildings, infrastructure, and utilities are planned, designed, built, and managed. A Building Information Model contains not only the design of a building but data concerning the properties of its components, its construction and ongoing maintenance to support the specification process and provide an audit trail for the components throughout the life of the building.

BIM involves representing a design as combinations of Objects that carry their geometry, relations and attributes. Each BIM Object involves creating an intelligent 3D model, using real world data, showing how the model works in a real environment, to inform and communicate project decisions.

At Wrekin Windows, we are able to meet BIM requirements for our products through our profile system supplier, Profile 22, who has developed their own BIM library – as also has our sister company, Permadoor, for composite doors.

For further information about BIM, please contact our Technical Department.



## New Build or Refurbishment

Wrekin Windows has over 30 years' experience delivering guaranteed quality, low maintenance products to the social and affordable housing market on both new build and refurbishment programmes.

Having produced over a million energy-efficient windows and doors across new build and refurbishment programmes, our production and delivery is geared up to meeting clients' needs, with first time complete property installation.

Our windows and doors remain popular because of their look and reliability, as well as their security and durability. They provide both quality and value for money and are backed by a comprehensive 10 year guarantee, so you can be assured that they will meet the necessary standards and regulations, whether for a new build or refurbishment programme.



## Adding Value

### We provide added value and save time through:

- Our Contract Information Management programme, providing customers with up to date information on their projects.
- Regular monitoring of key performance areas leads to a progressive reduction in cost and improvement in production and performance.
- Complete properties per delivery.
- Properties manufactured to your working order.
- Full detailed documentation for each property with all ancillary components bagged and labelled by property.
- Windows and doors individually labelled with address, room, location and graphics.
- 24 hour notice of despatch and one hour notice of arrival on site by our driver.

### SUSTAINABILITY

We are committed to ensuring a sustainable environment, adhering to the latest UK and European guidelines. We work within a framework of sustainable development, minimising waste and carbon footprint whilst maximising recyclability. We recycle a wide range of materials including thermoplastic, PVC-U profile and polystyrene off cuts, waste cardboard and paper.

We use the unique Recycled Composite Material (RCM) reinforcement from our fellow Epwin Group company, Profile 22, in our PVC-U frames. Manufactured from recycled PVC-U, this reinforcement provides greater thermal efficiency, increased strength and a minimum life cycle of 35 years.

### ENERGY EFFICIENCY

Energy-efficient products have a major role to play in reducing household emissions and increasing the energy efficiency of existing homes. High-performance windows can reduce heat loss by more than 20% and reduce heating bills by an estimated 10% every year. Our energy-efficient windows achieve a window energy rating (WER) of grades A+, A, B and C. Triple glazed options are available for greater thermal performance.





## Additional information

We are happy to give advice on all our services and products, and provide any information that is helpful in working with Wrekin Windows. If you require further information, please contact us.

 Wrekin Windows Head Office, Unit D1-D4, Stafford Park 4, Telford, Shropshire, TF3 3BA

 **01952 205000**

 **01952 290956**

 [info@wrekin-windows.co.uk](mailto:info@wrekin-windows.co.uk) [www.wrekinwindows.co.uk](http://www.wrekinwindows.co.uk)

